

Title (en)

In-tank fuel pump apparatus having improved structure for dissipating electrostatic charges

Title (de)

Im Tank angeordneter Brennstoffpumpensatz mit Vorrichtung zum Abführen elektrostatischer Ladungen

Title (fr)

Ensemble de pompe à carburant monté dans le réservoir avec structure de dissipation de charges électrostatiques

Publication

EP 0754852 A3 19971105 (EN)

Application

EP 96111624 A 19960718

Priority

JP 18147595 A 19950718

Abstract (en)

[origin: EP0754852A2] A fuel pump apparatus disposed within a fuel tank which may be employed in automotive vehicles is disclosed. The fuel pump apparatus includes a fuel pump, a filter, and a conductive member. The fuel pump is disposed within a conductive pump housing. The filter includes a filter element and a conductive filter casing. The filter element removes particles contained in fuel which is discharged from the fuel pump and returned to the fuel tank. The conductive member electrically connects between the pump housing and the filter casing for dissipating electrostatic charges generated by the friction between the filter element and the fuel passing through the filter element. <IMAGE>

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F02M 37/10

IPC 8 full level

F02M 37/10 (2006.01); **F02M 37/22** (2006.01)

CPC (source: EP US)

F02M 37/10 (2013.01 - EP US); **F02M 37/106** (2013.01 - EP US); **F02M 37/44** (2018.12 - EP US); **F02M 37/46** (2018.12 - EP US); **F02M 37/50** (2018.12 - EP US); **B01D 2201/50** (2013.01 - EP US); **F02M 37/34** (2018.12 - EP US)

Citation (search report)

- [A] US 5164084 A 19921117 - DANOWSKI DANIEL R [US], et al
- [A] US 5195494 A 19930323 - TUCKEY CHARLES H [US]
- [AD] PATENT ABSTRACTS OF JAPAN vol. 015, no. 290 (M - 1139) 23 July 1991 (1991-07-23)
- [E] PATENT ABSTRACTS OF JAPAN vol. 097, no. 002 28 February 1997 (1997-02-28)

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